

11/23/99

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 661005.900f2

First Inventor or Application Identified Nick J. Huige, et al.

Title METHOD OF OXYGENATING YEAST SLURRY USING HYDROPHOBIC POLYMERIC MEMBRANES

Express Mail Label No. EJ187995368US

## APPLICATION ELEMENTS

See MPEP Chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

- 1 ☒ Fee transmittal Form  
(Submit an original and a duplicate for fee processing)
- 2 ☒ Specification (Total Pages 18)  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross References to Related Applications
  - Statement Regarding Fed Sponsored R&D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- 3 ☐ Drawing(s) (35 USC 113) (Total Sheets 2)
4. Oath or Declaration (Total Pages 4)
- a. ☒ Newly unexecuted (original or copy)
- b. ☐ Copy from prior Application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)
- [Note Box 5 below]
- i. ☐ DELETION OF INVENTOR(S)  
Signed Statement attached deleting inventor(s) named in prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- 5 ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference herein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement Verifying identity of above

## ACCOMPANYING APPLICATION PARTS

- 8 ☐ Assignment Papers (cover sheet & documents)
- 9 ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(where there is an assignee)
- 10 ☐ English Translation Document (if applicable)
- 11 ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- 12 ☐ Preliminary Amendment
- 13 ☐ Return receipt postcard (MPEP 503)  
(Should be specifically itemized)
- 14 ☐ \*Small Entity Statement filed in prior application ☐ Status still proper and desired
- 15 ☐ Certified copy of priority Document(s)  
(if foreign priority is claimed)
- 16 ☐ Other:

\* A new statement is required to pay small entity fees, except where one has been filed in a prior application and is being relied upon

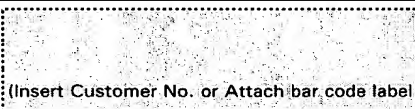
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application no. /

Prior application information: Examiner:

Group/Art Unit:

## 18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Labelor ☒ Correspondence address below

(Insert Customer No. or Attach bar code label)

|         |                     |           |              |          |              |
|---------|---------------------|-----------|--------------|----------|--------------|
| NAME    | Fahrlander, Jill A. |           |              |          |              |
|         | Quarles & Brady     |           |              |          |              |
| ADDRESS | P O Box 2113        |           |              |          |              |
| CITY    | Madison             | STATE     | WI           | ZIP CODE | 53701-2113   |
| COUNTRY | US                  | TELEPHONE | 608/251-5000 | FAX      | 608/251-9166 |

|                   |                    |                                   |                   |
|-------------------|--------------------|-----------------------------------|-------------------|
| Name (Print/Type) | Jill A. Fahrlander | Registration No. (Attorney/Agent) | 42,518            |
| Signature         |                    | Date                              | November 23, 1999 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. QBMA0204661

**FEE TRANSMITTAL****for FY 2001**

Patent fees are subject to annual revision.  
Small Entity payments must be supported by a small entity statement  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12  
See 37 C.F.R. §§1.27 and 1.28

TOTAL AMOUNT OF PAYMENT

\$110.00

**Complete if Known**

|                        |                   |
|------------------------|-------------------|
| Application Number     | 09/448,578        |
| Filing Date            | November 23, 1999 |
| First Named Inventor   | Nick J. Huige     |
| Group Art Unit         | 1761              |
| Examiner Name          | C. Sherrer        |
| Attorney Docket Number | 661005.90012      |

**METHOD OF PAYMENT (check one)**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number

17-0055

Deposit Account Name

Quarles &amp; Brady LLP

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

2. ☐ Payment Enclosed:

☐

Check

☐

Money Order

☐

Other

**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description        | Fee Paid |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|----------|
| 101                   | 710                   | 201                   | 355                   | Utility filing fee     |          |
| 106                   | 320                   | 206                   | 160                   | Design filing fee      |          |
| 107                   | 490                   | 207                   | 245                   | Plant filing fee       |          |
| 108                   | 710                   | 208                   | 355                   | Reissue filing fee     |          |
| 114                   | 150                   | 214                   | 75                    | Provisional filing fee |          |

SUBTOTAL (1) (\$) 0

**2. CLAIMS**

| Total Claims              | Extra | Fee from below | Fee Paid |
|---------------------------|-------|----------------|----------|
| -20**=                    | X     |                |          |
| Independent -3**=         | X     |                |          |
| Multiple Dependent Claims |       |                |          |

\*\* or number previously paid, if greater. For reissues see below

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description   |
|-----------------------|-----------------------|-----------------------|-----------------------|---|
| 103                   | 18                    | 203                   | 9                     | Claims in excess of 20                                  |
| 102                   | 80                    | 202                   | 40                    | Independent claims in excess of 3                       |
| 104                   | 270                   | 204                   | 135                   | Multiple dependent claim                                |
| 109                   | 80                    | 209                   | 40                    | Reissue independent claims over original patent         |
| 110                   | 18                    | 210                   | 9                     | Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) 0

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  | Fee Paid |
|-----------------------|-----------------------|-----------------------|-----------------------|--|----------|
| 105                   | 130                   | 205                   | 65                    | Surcharge - late filing fee or oath  |          |
| 127                   | 50                    | 227                   | 25                    | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139                   | 130                   | 139                   | 130                   | Non-English specification  |          |
| 147                   | 2,520                 | 147                   | 2,520                 | For filing a request for reexamination                                     |          |
| 112                   | 920                   | 112                   | 920                   | Requesting publication of SIR prior to Examiner action                     |          |
| 113                   | 1,840                 | 113                   | 1,840                 | Requesting publication of SIR after Examiner action                        |          |
| 115                   | 110                   | 215                   | 55                    | Extension for reply within first month                                     | \$110.00 |
| 116                   | 390                   | 216                   | 195                   | Extension for reply within second month                                    |          |
| 117                   | 890                   | 217                   | 445                   | Extension for reply within third month                                     |          |
| 118                   | 1,390                 | 218                   | 695                   | Extension for reply within fourth month                                    |          |
| 128                   | 1,890                 | 228                   | 945                   | Extension for reply within fifth month                                     |          |
| 119                   | 310                   | 219                   | 155                   | Notice of Appeal   |          |
| 120                   | 310                   | 220                   | 155                   | Filing a brief in support of an appeal                                     |          |
| 121                   | 270                   | 221                   | 135                   | Request for oral hearing   |          |
| 138                   | 1,510                 | 138                   | 1,510                 | Petition to institute a public use proceeding                              |          |
| 140                   | 110                   | 240                   | 55                    | Petition to revive unavoidably abandoned application                       |          |
| 141                   | 1,240                 | 241                   | 620                   | Petition to revive unintentionally abandoned application                   |          |
| 142                   | 1,240                 | 242                   | 620                   | Utility issue fee (or reissue)   |          |
| 143                   | 440                   | 243                   | 220                   | Design issue fee   |          |
| 144                   | 600                   | 244                   | 300                   | Plant issue fee  |          |
| 122                   | 130                   | 122                   | 130                   | Petitions to the Commissioner  |          |
| 123                   | 50                    | 123                   | 50                    | Petitions related to provisional applications                              |          |
| 126                   | 240                   | 126                   | 240                   | Submission of Information Disclosure Stmt                                  |          |
| 581                   | 40                    | 581                   | 40                    | Recording each patent assignment per property (times number of properties) |          |
| 146                   | 710                   | 246                   | 355                   | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 149                   | 710                   | 249                   | 355                   | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 179                   | 710                   | 270                   | 355                   | Request for Continued Examination (RCE)                                    |          |
| 169                   | 900                   | 169                   | 900                   | Request for expedited examination of a design application                  |          |

Other fee (specify) \_

Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$110.00)

**SUBMITTED BY**

Typed or Printed Name

David G. Ryser

Registration No. (Attorney/Agent)

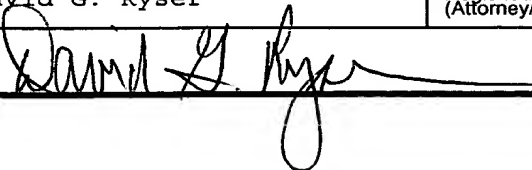
36,407

**Complete (if applicable)**

Telephone

414-277-5717

Signature



Date

May 17, 2001

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Phoenix, Arizona



November 23, 1999

Assistant Commissioner of Patents  
Box Patent Application  
Washington DC 20231

Re: Filing Patent Application

Dear Sir:

Enclosed for filing please find a new patent application  
entitled: METHOD OF OXYGENATING YEAST SLURRY USING HYDROPHOBIC  
POLYMERIC MEMBRANES

by Nick J. Huige  
Murthy Tata  
Jeff Fehring  
Michael C. Ryder  
David S. Ryder  
Alfonso Navarro

The undersigned hereby certifies that this document is being  
deposited with the United States Postal Service today, November 23,  
1999, by the "Express Mail" service, utilizing Express Mail label  
number EJ187995368US addressed to: Assistant Commissioner for  
Patents, Box Patent Application, Washington, DC 20231.

Please indicate receipt of this application by returning the  
attached postcard with the official Patent and Trademark Office  
receipt and serial number stamped thereon.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Edward Fehring", written over a horizontal line.